



RUSLE2 Worksheet Erosion Calculation Record

Info: T 485 F 5, 24, 33, 35, 37- The baseline rotation is one year of minimum till grain corn followed by one year of no-till soybeans, one year of no-till planted spring oats, one year of minimum till corn grain, and 5 years of spring planted alfalfa. Average soil loss rate over the rotation is 2.18 T/A/yr.

Inputs:

Owner name	Location
Snyder	USA\Pennsylvania\Lycoming County

Location	Soil	T value	Slope length (horiz)	Avg. slope steepness, %
USA\Pennsylvania\Lycoming County	Lycoming County, Pennsylvania\BeD Berks channery silt loam, 15 to 25 percent slopes\Berks channery silt loam 100%	3.0	48	27.0

Outputs:

Base management	Description	Contouring	Strips / barriers	Diversion/terrace, sediment basin	Soil loss erod. portion, t/ac/yr	Soil detachment, t/ac/yr	Cons. plan. soil loss, t/ac/yr	Sed. delivery, t/ac/yr
CMZ 65\b. Multi-year Rotation Templates\Corn / Soybeans\Corn Grain\corn gr; sdsHR - soyb, nr; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	13.8	13.7	11.8	11.6
CMZ 65\a. Single Year/ Single Crop Templates\small grains\spring small grain\oats, spring; nt, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	1.45	1.45	1.45	1.45
CMZ 65\la. Single Year/ Single Crop Templates\corn grain\Corn, grain; sds, z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	7.15	7.15	7.15	7.15
CMZ 65\la. Single Year/ Single Crop Templates\forage systems\alfalfa sp seed\alfalfa ss 5yr; snt z65		b. absolute row grade 1 percent	Strip cropping\2strip rotational 0-1	(none)	0.522	0.522	0.520	0.520